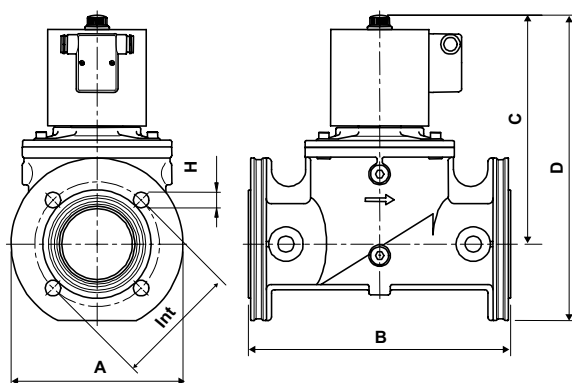
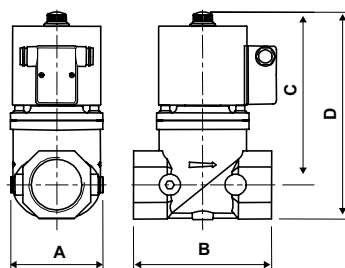


ZDEV

Electromagnetic safety valves for air and gas

Normally closed electromagnetic safety valves with quickly opening for air and non-aggressive gases (according to EN437).



	Passage diameter DN	Connection type	Connection	Body	Maximum pressure mbar	Absorption W	Dimensions						Unit weight Kg
							A	B	C	D	Int	H	
ZDEV10	10	threaded RP	3/8	brass	200	16	30	58	95	110	-	-	0,4
ZDEV15	15	threaded RP	1/2	brass	200	16	30	58	95	110	-	-	0,4
ZDEV20	20	threaded RP	3/4	aluminum	360	45	88	96	150	164	-	-	2,5
ZDEV25	25	threaded RP	1	aluminum	360	45	88	96	150	164	-	-	2,5
ZDEV32	32	threaded RP	1 1/4	aluminum	360	20/80*	120	153	188	220	-	-	5,7
ZDEV40	40	threaded RP	1 1/2	aluminum	360	20/80*	120	153	188	220	-	-	5,7
ZDEV50	50	threaded RP	2	aluminum	360	20/80*	106	156	192	230	145	4x18	6
ZDEVRF65	65	flanged DN	65	aluminum	200	45/180*	200	305	266	355	160	8x18	14
ZDEVRF80	80	flanged DN	80	aluminum	200	45/180*	200	305	266	355	160	8x18	14
ZDEVRF100	100	flanged DN	100	aluminum	200	70/280*	252	350	352	492	180	8x18	36

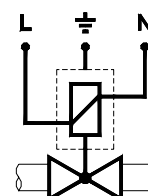
* operating/on opening

ELECTRICAL CHARACTERISTICS

Rated voltage: 230Vac - 50/60Hz.

Upon request valves are available with coils for the following voltages:

- 110V AC 50/60Hz;
- 24V AC/DC;
- 12V AC/DC .



INSTALLATION

Check the correspondence between flow direction and the arrow printed on valve body, verify the correct alignment of connecting pipes and allow enough space from the walls to allow free air circulation.

You should always install a filter before valve inlet (open <1 mm).

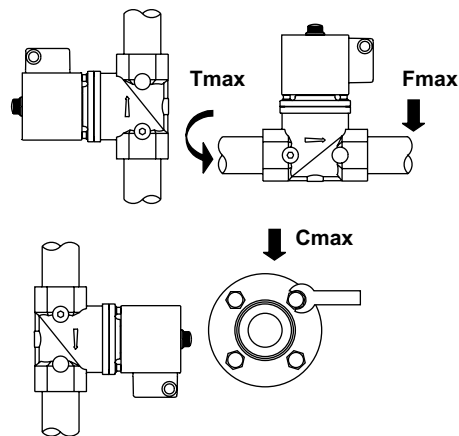
The valve may be mounted with coil in horizontal or vertical position. The coil may be oriented 360 degrees in any direction.

Install the valve in an area protected from rain and water splashes or drops.

Remove coil fastening cap, turn on the adjustment screw under the locking dowel.

The flow rate is adjustable from 0 m³/h to the maximum indicated on the plate (except the models in brass and 4 ").

It is recommended to make the flow adjustments while the burner is in operation and when the adjustment is completed screw back the locking dowel. Adjustments below 40% of the flow are unadvisable since they may cause turbulence.



MODEL	Fmax t<10S (Nm)	Tmax (Nm)	Cmax (Nm)
ZDEV10	70	35	-
ZDEV15	105	50	-
ZDEV20	225	85	-
ZDEV25	340	125	-
ZDEV32	475	160	-
ZDEV40	610	200	-
ZDEV50	1100	250	-
ZDEV65	1600	-	50
ZDEV80	2400	-	50
ZDEV100	5000	-	50

OPERATION

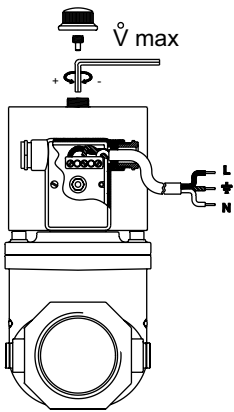
Fast opening gas safety electromagnetic valve that is normally closed.

When it is not energized, the spring works on the shutter keeping the gas passage closed.

When the coil is feed the valve opens.

When the power supply is interrupted the valve rapidly closes.

This device is suitable for gas and air blocking and regulation commands in burners at atmospheric pressure or fan-assisted burners, in industrial ovens and in all applications which use gas solenoid valves (suitable for continuous service - 100% ED).



TECHNICAL FEATURES

- Connections:
- gas threaded ISO 7/1 from RP 3/8 to RP 2;
 - flanged ISO 7005-PN16 from DN65 to DN100.
- Voltage tolerance: -15% / +10%.
- Environment temperature: -15°C / +60°C.
- Closing time < 1 second.
- Protection degree: IP54.
- Cable gland: PG 9.
- Pressure inlets: G1/4" on two sides (except models with brass body).
- Gas type: Air and non-aggressive gases (EN 437).
- Filter: 600 µm (except models with brass body).
- Limit switch: by request from 3/4" to 4".